

STANDARDIZED  
MICRO-DATA  
TAPE  
TRANSCRIPTS

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National Center for Health Statistics  
(U.S.)





United States. National Center for  
Health Statistics.

National Center for  
Standardized Micro-Data Tape Transcripts  
Health Statistics

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## PREFACE

This publication describes a number of micro-data tapes that are available from the National Center for Health Statistics in 1978. The tapes are a response to many requests from consumers who require data in detail or in a format not provided in the Center's publications.

The Center is a unique source for certain kinds of data related to the health of the American people. Because of the national scope and the continuing nature of the Center's data collection systems, its data are both a valuable and an unduplicated resource for research and other purposes. As with any material produced by the Center, the Standardized Micro-Data Tape Transcripts are equally available to all requesters.

In the preparation of the computer tapes and the accompanying documentation, we have worked toward two primary objectives: first, to achieve full adherence to the stringent standards of confidentiality of information provided for in law and in NCHS policy; and second, to provide all feasible direction for understanding and working with tapes.

We are confident of success with the first objective. We hope that users of the tapes will rate us reasonably high on the second.

Clearly, the Center cannot accept responsibility for the interpretations and conclusions that others may base on the data. In this respect and some others, we ask that users of the tapes follow certain "guidelines" set forth in this publication. Their cooperation will enable us to know more about how and for what purposes the data are used. This, coupled with greater experience in the distribution of data tapes, will enable the Center to better meet its obligations for the dissemination of health statistics.

12-04-79

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## INTRODUCTION

The National Center for Health Statistics (NCHS) is the primary source of statistical data on vital events, health, and related matters pertaining to the American people. Data are obtained from a number of statistical data collection systems: the national vital registration system, covering births, deaths, fetal deaths, marriages, and divorces; surveys based on samples of birth and death records; a continuing nationwide survey of households by means of interviews; a series of national surveys based on physical examinations of samples of the population; periodic surveys of institutions and their patients or residents; a continuous national sampling of short-stay hospital records; and surveys of various categories of health manpower based on license renewals, reports from establishments, and other sources.

A guiding tenet of NCHS is to disseminate the statistical data it gathers to all concerned consumers as promptly as resources permit. The principal forms used are published reports, special and unpublished tabulations, and computer Standardized Micro-Data Tape Transcripts.

The published report is and will continue to be the primary method used to distribute data. These reports are in several series including the annual volumes *Vital Statistics of the United States*, the *Monthly Vital Statistics Report*, and the *Vital and Health Statistics* series.

Special and unpublished tabulations are not covered in this announcement. Information concerning them can be obtained by contacting directly the division responsible for the data of interest.

NCHS policy is to release Standardized Micro-Data Tape Transcripts for elementary units (persons, events, or business establishments) when that can be done with existing resources and in a manner that will not in any way compromise the confidentiality guaranteed the respondents who supplied the original data. Principal steps taken to protect confidential information include the following:

Personal names and addresses, except for some nonconfidential institutional records, never appear on the data tapes.

Certificate numbers for the vital records never appear on the tape records.

Data from localities having less than 250,000 population are classified into geographic areas that reflect population size but do not reveal specific geographic names.

The term "Standardized Micro-Data Tape Transcripts" has been adopted to emphasize a policy that tends to yield a maximum output of data for elementary units. Each available data set has a fixed-content, fixed-format Standardized Micro-Data Tape with appropriate documentation. This minimizes communication problems between NCHS and users of the data and, in particular, avoids wasteful, time-consuming expenditures of manpower that would be required if NCHS attempted to provide separate tailor-made tapes to different users.

## Guidelines

With the goal of mutual benefit, NCHS requests the cooperation of recipients of data tapes in certain actions related to their use.

Any published material derived from the data should acknowledge the National Center for Health Statistics as the original source. It should include also a disclaimer that credits any analyses, interpretations, or conclusions reached to the author (recipient of the tape) and not to NCHS, which is responsible only for the initial data.

Consumers who wish to publish a technical description of the data will make a reasonable effort to insure that the description is not incon-

sistent with that published by NCHS. This does not mean, however, that NCHS will review such descriptions.

Guidance on how to approximate the sampling errors of the estimates compiled by NCHS and information about the magnitude of the nonsampling variances are either provided with the documentation that accompanies the tapes or may be obtained from NCHS. Users are urged to include appropriate sampling error statements in whatever data they publish. Information is also available on biases, and users should include statements on the biases known to affect the data in any reports they may publish.

## General Information

At present, numerous data sets are available for purchase. The content of each is given in detail in the following pages.

The data are in 9-track code, either extended binary coded decimal interchange code (EBCDIC) alone or in combination with binary code. Tapes can be made available at a density of either 800 or 1,600 bytes per inch (bpi) as specified by the requester. NCHS does not convert the data tapes to any other code formats. Record lengths, block sizes, number of records, and the number of reels (1,600 bpi) are given in the detailed descriptions.

The purchase price listed includes the cost of the magnetic tape volumes, the printed materials explaining the tape content, and the documentation necessary to utilize the files.

Except for Federal agencies, checks for the purchase price should be made to Department of Health, Education, and Welfare, PHS. The purpose "Special Statistical Studies" should appear on the face of the check. Federal agencies will be billed.

Tape prices are now computed as follows:

Reel 1, \$125.

Successive reels, \$60 each.

Therefore, prices shown in this catalog differ from those given in previous editions.

Requesters should allow approximately 4 weeks from the date of order for delivery.

An order form at the end of this report lists the available data sets and their computed prices. Purchasers will note that the form includes a statement of assurance that the data will be used solely for statistical research or reporting purposes. This statement is included in order for the Secretary to meet the requirements of section 308(d) of the Public Health Service Act, 42 U.S.C. 242(m), as added to the Act by Public Law 93-353, the Health Services Research, Health Statistics, and Medical Libraries Act of 1974 (formerly section 305 of the PHS Act), which provides that no information obtained through a statistical collection activity under NCHS authority may be used for any purpose other than the purpose for which it was supplied.

The order form and requests for additional information should be sent to the following address:

Scientific and Technical Information Branch  
National Center for Health Statistics  
Center Building, Rm. 1-57  
3700 East West Highway  
Hyattsville, Maryland 20782  
Attn: K. Herald

## DATA ON HEALTH MANPOWER AND FACILITIES

*Coverage.* NCHS maintains a computer file of selected characteristics of inpatient health facilities. This file, called the Master Facility Inventory (MFI), is a comprehensive list of those facilities in the United States which provide medical, nursing, personal, or custodial care to groups of unrelated persons on an inpatient basis. It includes hospitals, nursing and related care homes, and other inpatient health facilities.

**General Description.** In order to keep the MFI current, an annual survey is conducted in cooperation with the American Hospital Association among all the hospitals, and a biennial survey is conducted among nursing homes and other facilities. (For a detailed account of the development of the MFI, see PHS Publication No. 1000, Series 1, Nos. 3 and 9.)

The MFI is maintained on computer tape and contains the names and addresses of each facility. Table 1 lists the items in the data file.

Copies of the data tapes (one for hospitals, and one for nursing homes and "other" facilities) are available from NCHS in addition to printouts of the data. Neither the tapes nor the printouts for nursing homes and other facilities contain confidential data.

Documentation consists of copies of the tape layouts and questionnaires. In those instances where a data item was missing from the questionnaire, an imputed value was derived. In many cases these values are flagged so that the user is aware that an imputation was performed.

**Data Years Available.** Tapes from the 1971 survey for nursing homes and the 1972 survey for hospitals were described in earlier publications. Tapes prior to this are not available. The tape from the 1975 hospital survey, and the tape from the 1973 survey of nursing homes are available at this time.

Table 1. Items on Master Facility Inventory data tapes

<i>Type of facility</i>	
<i>Hospital, 1975</i>	<i>Nursing home and other health facilities, 1973</i>
Name	Name
Name of administrator	Address
Ownership	Number of beds
Type of facility	Ownership
Number of beds	Type of facility
Days of care	Age served
Discharges	Sexes served
Admissions	Number of residents
Type of service	
Outpatient visits	
Employees	
Facilities and services offered	
Record length .....	748
Block size .....	4,488
Number of records .....	7,336
Number of reels .....	1
	908
	5,448
	125,500
	1

<sup>1</sup>Approximate.

# DATA ON HEALTH RESOURCES UTILIZATION

## Hospital Discharge Survey

**Coverage.** The Hospital Discharge Survey is a continuous nationwide survey of inpatient utilization of short-stay hospitals. Survey data are abstracted from the face sheets of sampled medical records of inpatients discharged from a national sample of non-Federal short-stay hospitals (see table 2).

**General Description.** Medical records sampled include the age, sex, color, marital status, discharge status, and length of stay per discharged patient. Diagnostic data include all listed diagnoses per patient (up to five). Surgical data include a maximum of three of all-listed operations per patient. Diagnostic and surgical data are coded according to the *Eighth Revision International Classification of Diseases, Adapted for Use in the United States* (ICDA), with certain modifications. Presently available for release are nonmedical data for years 1970-75. A detailed description of the survey's sample design, estimating procedures, and sampling errors are found in *Vital and Health Statistics*, PHS Publication No. 1000, Series 2, No. 39.

Copies of the data tapes are available from:

National Technical Information Service  
5285 Port Royal Road  
Springfield, Virginia 22151

See the order form at the end of this report for prices and accession numbers. The tapes contain no confidential data.

Documentation consisting of copies of the tape layouts and the medical abstract form is included. In those instances where a data item was missing, an imputed value was derived.

## National Ambulatory Medical Care Survey

**Coverage.** The National Ambulatory Medical Care Survey (NAMCS) is a continuing nationwide survey designed to meet the needs and demands for objective, reliable information about the provision and use of ambulatory medical care services in the United States.

Findings are based on a sample representative of all ambulatory office visits to medical

Table 2. Items on Hospital Discharge Survey data tapes, 1970-75

Data year	
Age at date of admission	
Date of birth (month/day/year)	
Sex	
Race (6 categories)	
Marital status (7 categories)	
Date of admission (month/day/year)	
Date of discharge (month/day/year)	
Discharge status:	
Alive	
Dead	
Not stated	
Diagnostic codes for years 1970-75 (from one to five 4-digit ICDA diagnostic codes)	
Surgical codes for years 1970-75 (from one to three 3-digit ICDA surgical codes)	
Size of hospital (number of beds)	
Ownership of hospital	
Length of stay in days	
Weight (final adjusted weight for each sample record)	
Geographic division and region where hospital is located:	
Northeast	
New England	
Middle Atlantic	
North Central	
East North Central	
West North Central	
South	
South Atlantic	
East South Central	
West South Central	
West	
Mountain	
Pacific	
Record length .....	150
Block size .....	4,500
Number of records:	
1970 .....	205,306
1971 .....	197,727
1972 .....	224,504
1973 .....	224,784
1974 .....	227,325
1975 .....	231,670
Number of reels for each data year .....	1

doctors (M.D.'s) and doctors of osteopathy (D.O.'s) in the contiguous United States, who are engaged in patient care in an office setting except for anesthesiologists, pathologists, radiologists, and physicians in government service.

**General Description.** During a randomly assigned 7-day period, the sample physicians maintained a listing of all patient visits in their offices. For a systematic random sample of visits, data were recorded by the physicians or their staff, using an encounter form provided for that purpose. Specially trained interviewers visited the physicians prior to their designated week, provided survey materials, and thoroughly instructed each physician and staff member in the methods and definitions to be used. Data were obtained on the major reason for the visit, and the patient's principal problem, complaint, or symptom was recorded in the patient's own words. Also obtained were data on the physician's principal diagnosis, treatment prescribed, the seriousness of the patient's problem, whether the patient had been seen before, and the final disposition of the visit. Table 3 lists the items in the data file.

Data on patient problems were coded according to a unique symptom classification<sup>a</sup> developed specifically for the NAMCS. Data on physicians' diagnoses were coded according to the *Eighth Revision International Classification of Diseases, Adapted for Use in the United States (ICDA)*.

A more detailed description of the survey and summary tables for 1973-74 data can be found in the report entitled "The National Ambulatory Medical Care Survey: 1973 Summary."<sup>b</sup> A detailed explanation of survey methodology and a summary of 1975 findings can be found in the report entitled "The National Ambulatory Medical Care Survey: 1975 Summary."<sup>c</sup>

<sup>a</sup>National Center for Health Statistics: The National Ambulatory Medical Care Survey, symptom classification, United States, by Sue Meads and Thomas McLemore. *Vital and Health Statistics, Series 2, No. 65*. DHEW Publication No. (HRA) 74-1337. Health Resources Administration, Washington, U.S. Government Printing Office, May 1974.

<sup>b</sup>National Center for Health Statistics: The National Ambulatory Medical Care Survey: 1973 Summary, United States, May 1973-April 1974, by James E. DeLozier and Raymond O. Gagnon. *Vital and Health Statistics, Series 13, No. 21*. DHEW Publication No. (HRA) 76-1772. Health Resources Administration, Washington, U.S. Government Printing Office, Oct. 1975.

<sup>c</sup>National Center for Health Statistics: The National Ambulatory Medical Care Survey: 1975 Summary, United States, by Hugo Koch and Thomas McLemore. *Vital and Health Statistics, Series 15, No. 53*. DHEW Publication No. (PHS) 78-1784. Public Health Service, Washington, U.S. Government Printing Office, Jan. 1978.

Table 3. *Items on National Ambulatory Medical Care Survey data tapes*

Patient data		
Date of visit		
Date of birth		
Sex		
Race		
Principal problem(s) (maximum of three)		
Seriousness of problem		
Ever seen before:		
If yes, for current problem or another problem		
Principal diagnosis(es):		
Associated with patient's most important problem (maximum of two)		
Other significant current diagnoses in order of importance (maximum of one)		
Treatment or service ordered or provided		
Disposition of visit		
Duration of visit (in selected time intervals)		
Weight		
Region code		
SMSA or non-SMSA code		
Physician data		
Specialty		
Type of practice		
	1973-74	1975
Record length.....	..... 85	..... 92
Block size.....	..... 3,400	..... 4,600
Number of records.....	..... 29,143	..... 62,697
Number of reels.....	..... 1	..... 1

Data are arranged by patient record where each record is a complete description of the physician visit and contains all the items in the data file, including the statistical weight for inflating the sample to population levels. All data on the tape are in EBCDIC code.

Each data tape package contains one tape volume and all necessary documentation, including tape content, NAMCS Symptom Classification, and related final data tables from publications, including relative standard error charts.

**Data Years Available.** Two tapes, covering May 1973-April 1974 and calendar year 1975, respectively, are presently available. Tapes for succeeding years will be released after NCHS has had adequate time to verify the quality of the data.

## National Nursing Home Survey

**Coverage.** The National Nursing Home Survey is a continuing series of national sample surveys of nursing homes, their residents, and staff. Survey data are collected using a combination of personal-interview and self-enumeration forms. The most recent survey was conducted during the period August 1973-April 1974 and covered nursing homes that offered some level of nursing care. An earlier survey for which the tapes are now also available was conducted during the period June-August 1969 and covered nursing homes that offered some level of nursing or personal care. The item detail, however, is less than that available from the 1973-74 survey.

**General Description.** The package of tapes for the 1973-74 survey consists of the facility file, resident file, staff control record, and staff file (table 4). The data were sampled using a

stratified two-stage probability design. The first stage was a selection of facilities, and the second stage was a selection of residents and employees of the sample facilities. The facility file contains data on selected operating characteristics of the nursing home at the time of the survey as well as 1972 data on admissions, discharges, deaths, resident days, and facility expenses. The facility expense data were collected only for homes that had been in business 2 years or more because expenses for newly opened homes included "start up" costs which tended to distort the "standard" cost of providing health care. An average of 10 residents and 14 staff members were sampled from each facility. The sampling frame for residents was the total number of residents on the register of the facility on the evening prior to the day of the survey. The sampling frame for employees was the Staff Control Record on which were listed all the staff mem-

Table 4. Summary of 1973-74 National Nursing Home Survey data tapes, by type of file

Facility file	Resident file
Type of service code	Facility number
Ownership code	Age
Admissions policy by sex and age	Sex
Number of beds	Ethnic background
Number of residents	Marital status
Certification status	Date of last admission
Original purpose of building	Residence before admission
Admissions (1972)	Reason for admission
Live discharges (1972)	Primary diagnosis at admission and last examination
Dead discharges (1972)	Conditions or impairments
Resident days (1972)	Aids used
Number of rooms with 4 beds or more	Services received
Services provided	Medications received
Staff coverage of daily shifts	Activities for daily living characteristics
Staff supervision of clinical services	Incidence and frequency of behavior problems
Services to nonresidents	Physician contact
Waiting list data	Vision status
Expenses (1972)	Hearing and speaking ability
Region recode	Recreational activities
SMSA recode	Overnight leave
Facility weights	Frequency of visitors
Expense weights	Basic and total monthly charges for care
	Sources of payment
	Level of patient care
	Resident weight
Record length .....	1,150
Block size .....	11,500
Number of cases .....	1,908
Number of reels .....	1
	450
	4,500
	19,013
	1

Table 4. Summary of 1973-74 National Nursing Home Survey data tapes, by type of file—Con.

Staff control record	Staff file
Facility number	Facility number
Number of employees by job categories	Sex
Number of employees sampled by job categories	Ethnic background
Staff control weight	Contract employee indicator
Sex	Part-time employee indicator
Ethnic background	Occupation code
Contract employee indicator	In charge of shift
Part-time employee indicator	Length of work experience
Part-time hours	Hours worked
Occupation code	Salary
	Additional benefits
	Services performed
	Education
	Attitudes
Record length .....	84
Block size .....	8,400
Number of records .....	164,486
Number of reels .....	1

Table 5. Summary of 1969 National Nursing Home Survey data tapes, by type of file

Facility file	Resident file
Number of inpatients (12/31/68)	Ownership code
Number receiving nursing care	Type of service code
Inpatient days of care (1968)	Age
Admissions (1968)	Sex
Live discharges (1968)	Race
Place of discharge	Marital status
Deaths (1968)	Date of last admission
Number of beds	Conditions or impairments
Number of inpatients last night	Primary and secondary diagnoses
Number of inpatients receiving nursing care	Services received
Total employees	Aids used
Routine services provided	Mobility status
Contract services provided	Hearing ability
Ownership code	Vision status
Type of service code	Continenence
Facility weight	Monthly charges for care
	Sources of payment
	Level of patient care
	Resident weight
Record length .....	285
Block size .....	2,850
Number of records .....	1,854
Number of reels .....	1

bers, including those employed by contract. Only those staff members involved in direct patient care (i.e., professional, semiprofessional, and nursing staff) were sampled for the data on the staff file. A more detailed discussion of the survey, some summary tables, and copies of the questionnaires for the 1973-74 survey are found in the report, "Selected Operating and Financial Characteristics of Nursing Homes: United States, 1973-74 National Nursing Home Survey."<sup>d</sup>

The package of data tapes available from the 1969 survey consists of the facility file and the resident file (table 5). Although the design of the 1969 survey was similar to that for the 1973-74 survey, the amount of data collected was considerably less. More detailed information

about the 1969 survey and copies of the questionnaires are found in *Vital and Health Statistics, Series 12, Nos. 18-24*.

Tapes for the 1973-74 and the 1969 survey contain statistical weights to be used in making national estimates from the data. Classification of homes by geographic area is provided for the regions used by the U.S. Bureau of the Census. Also, a code is included to indicate that the facility lies within a standard metropolitan statistical area (SMSA).

For each survey year the tapes are sold as a complete package containing a tape layout of the data. The tapes have been edited for consistency and nonresponse.

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<sup>d</sup>National Center for Health Statistics: Selected operating and financial characteristics of nursing homes: United States, 1973-74 National Nursing Home Survey, by Mark R. Meiners. *Vital and Health Statistics, Series 13, No. 22*. DHEW Publication No. (HRA) 76-1773. Health Resources Administration. Washington, U.S. Government Printing Office, Dec. 1975.

## DATA ON VITAL EVENTS

The National Center for Health Statistics promotes a uniform collection of birth, death, fetal death, marriage, and divorce records in a national registration system; analyzes and interprets official vital statistics; integrates technical and legal aspects of registration and administration of the vital registration system; conducts surveys to expand the scope of national vital statistics beyond the data usually available from vital records; uses actuarial methods to construct annual life tables; and investigates the quality and reliability of data and methodology.

The birth and death registration system of the United States covers the 50 States and the District of Columbia. Data on marriages and divorces are not uniformly available for the United States. The marriage registration system covered 39 States in 1968 and 41 States beginning in 1971. The District of Columbia was included for all years. The system for divorce registration covered only 26 States in 1968, 28 States in 1969, and 29 States beginning in 1971.

The following data files are available:

Nativity—1968 through 1975.

Mortality—1968 through 1975.

Marriage—1968 through 1975.

Divorce—1968 through 1975.

### Nativity Data

*Coverage.* Nativity data are limited to births occurring within the coverage of the birth registration system. Births occurring to U.S. citizens outside the coverage are not included; births to nonresidents of the United States inside this coverage are included.

*General Description.* Presently available for release are data obtained from certificates filed for births occurring in the years 1968 through 1975. Data were obtained from a 50-percent sample of certificates from 1968 to 1971. Starting in 1972 all records were included for Florida, Maine, Missouri, New Hampshire, Rhode Island, and Vermont. The following States were added in subsequent years: Michigan, Colorado,

and New York (excluding New York City), in 1973; Illinois, Iowa, Kansas, Montana, Nebraska, Oregon, and South Carolina, in 1974; and Louisiana, Maryland, North Carolina, Oklahoma, Tennessee, Virginia, and Wisconsin, in 1975. Beginning with 1970 data, geographic areas are classified based on the 1970 census enumeration. The SMSA's are as defined for 1970. Place of occurrence is classified by State and county. In residence classification, all births are allocated to the usual place of residence of the mother as reported on the birth certificate. In place of residence, classification of all areas is arranged alphabetically by State, county, and city.

Beginning in 1970 the place of residence for mothers who are nonresidents of the United States is coded to the country of residence (8 categories). Formerly these births were considered resident births of the place of occurrence. Birth certificate numbers are not on the tapes. Tables 6 and 7 list the items in the data file.

Three data tape files are available for each year. The detail file includes one tape record for each birth in the sample. Data on the local area summary file and the State summary file have been weighted and represent a total count of births and estimates of the variables on the tapes. A discussion of the sample design, sampling errors, and a table of standard errors, copied from the technical appendix of *Vital Statistics of the United States*, Volume I, is included in the documentation. Each data tape package contains the necessary documentation, including tape content.

### Mortality Data

*Coverage.* Mortality data for the United States are limited to deaths registered within the death registration system and include deaths occurring to nonresidents of the United States. The data do not cover deaths of U.S. civilians or members of the Armed Forces occurring outside the system.

*General Description.* Presently available for release are data obtained from microfilm copies of certificates filed for deaths occurring in 1968

Table 6. Summary of 1968 natality data tapes, by type of file

Detail	Local area summary	State summary
Data year		
Residence of mother:	<u>Stub variables</u>	<u>Stub variables</u>
State	Residence of mother:	State of residence
County	State	Race of child (2 categories)
City (250,000 persons and over)	SMSA	Sex of child
Population size	Metropolitan/nonmetropolitan	Age of mother (5-year groups)
SMSA	County	Gestation period <sup>1</sup> (10 categories)
Metropolitan/nonmetropolitan	City (10,000 persons and over)	
Age of mother (single years, 12-49)	Population size	
Attendant at birth	Race of child (3 categories)	
Birth weight (grams)	<u>Spread variables</u>	<u>Spread variables</u>
Gestation period <sup>1</sup> (single weeks, 17-52)	Attendant at birth	Plurality (3 categories)
Legitimacy <sup>1</sup>	Sex of child	Birth weight (500-gram groups)
Live-birth order	Birth weight (500-gram groups)	Live-birth order
Month of birth	Illegitimate births by age of mother <sup>1</sup>	
Place of birth (State, county)	(under 15; single years, 15-19; 5-year groups, 20-49)	
Plurality (5 categories)	<u>Stub variables</u>	<u>Stub variables</u>
Race of:	Residence of mother:	State of residence
Child (7 categories)	State	Race of child (2 categories)
Father (8 categories)	SMSA	Sex of child
Mother (8 categories)	Metropolitan/nonmetropolitan	Age of mother (5-year groups)
Sex of child	Race of child (3 categories)	
	<u>Spread variables</u>	<u>Spread variable</u>
	Live-birth order	Month of birth
	Age of mother (5-year groups)	
Record length .....	81	95
Block size .....	1,620	950
Approximate number of records .....	2,000,000	45,992
Number of reels .....	7	112,692
		1

<sup>1</sup> Applicable only for those States having information on the certificate.

Table 7. Summary of 1969-75 natality data tapes, by type of file

Detail <sup>1</sup>	Local area summary	State summary
Data year		
Residence of mother: <sup>2</sup>	<u>Stub variables</u>	<u>Stub variables</u> <sup>1</sup>
State	Residence of mother: <sup>2</sup>	State of residence <sup>2</sup>
County	State	Race of child (9 categories)
City (250,000 persons and over)	County	Plurality (1971-75) (3 categories)
Population size	City (10,000 persons and over)	Sex of child
SMSA	Population size	Live-birth order
Metropolitan/nonmetropolitan	SMSA	Age of mother (under 15 years; single years, 15-49)
Age of:	Metropolitan/nonmetropolitan	
Father (1969-70; under 18 years, single years 18 and over; 1971-75; single years, 10 and over)	Race of child (3 categories)	
Mother (single years, 10-49)	Sex of child	
See footnotes at end of table.		

Table 7. Summary of 1969-75 natality data tapes, by type of file—Con.

Detail <sup>1</sup>	Local area summary	State summary
Attendant at birth	Spread variables <sup>1</sup>	Spread variables <sup>1</sup>
Birth date (month/day)	Birth weight (500-gram groups)	Birth weight (500-gram groups)
Birth weight (in grams)	Attendant at birth	Total birth order
Education of: <sup>3</sup>		Month of birth
Father (single years, 0-17)	Stub variables <sup>1</sup>	Stub variable <sup>1</sup>
Mother (single years, 0-17)	Residence of mother: <sup>2</sup>	State of occurrence
Gestation period <sup>3</sup> (single weeks, 17-52)	State	
Interval in months: <sup>3</sup>	County	
Since last fetal death	City (10,000 persons and over)	
Since last live birth	Population size	
Since termination of last pregnancy	SMSA	
Legitimacy <sup>3</sup>	Metropolitan/nonmetropolitan	
Live-birth order	Race of child (3 categories)	
Month/year: <sup>3</sup>	Sex of child	
Of last fetal death	Age of mother (under 15 years; single	
Of last live birth	years, 15-19; 5-year groups, 20	
Month of pregnancy prenatal	years and over)	
care began	Education of mother <sup>3</sup> (6 categories)	
Outcome of last pregnancy <sup>3</sup>	Place of delivery (1975 only)	
Nativity of mother (1970, 1971, 1973-75)	Person in attendance (1975 only)	
Number of prenatal visits (1972-75)	Spread variables <sup>1</sup>	Spread variables <sup>1</sup>
Place of birth (State, county)	Age of mother (5-year groups)	Month of birth
Plurality (1971-75) (5 categories)	Live-birth order	Resident status
Race of: <sup>3</sup>	Legitimacy status <sup>3</sup>	
Child (9 categories)		
Father (10 categories)		
Mother (10 categories)		
Record weight (1972-75)		
Sex of child		
Total birth order		
Record length .....	215	160
Block size .....	4,300	3,200
Approximate number of records ranges from .....	1,800,000 to 2,252,000	336,000 to 478,000
Number of reels:		
1969 .....	12	2
1970 .....	12	2
1971 .....	12	2
1972 .....	11	2
1973 .....	12	2
1974 .....	13	2
1975 .....	14	3

<sup>1</sup> All data items in the detail file are in EBCDIC code; the stub portion of all summary records consists of EBCDIC codes and the spread portion consists of a series of fields containing numbers of births in binary code.

<sup>2</sup> Beginning in 1970 the place of residence for mothers who are nonresidents of the United States is coded to the country of residence (8 categories). Formerly these births were considered resident births of the place of occurrence. The local area and State summaries exclude data for nonresidents of the United States.

<sup>3</sup> Applicable only for those States having information on the certificate.

through 1975. Demographic and medical information includes classification by place of occurrence and residence, age, race, sex, and underlying cause of death. Cause of death is classified in accordance with the *International Classification of Diseases*.<sup>e</sup> Beginning with 1970 data, geographic areas are classified as defined for the 1970 census enumeration. Place of occurrence is classified by State and county. In residence classification all deaths are allocated to the usual place of residence of the decedent as reported on the death certificate. In place of residence classification all areas are arranged alphabetically by State, county, and city.

Beginning in 1970 the place of residence for decedents who were nonresidents of the United States is coded to the country of residence (8 categories). Formerly these deaths were considered resident deaths of the place of occurrence.

In the detail file one tape record exists for each death that occurred for all years except for 1972, of which one tape record exists in the 50-percent sample processed. Death certificate numbers are not on the tapes. Table 8 lists the items in the data file for 1968-75.

Three data tapes files (detail file, local area summary, and cause-of-death summary) are available for each year. Each data tape package contains all necessary documentation, including tape content.

*Data Years Available.* Data from 1968 through 1975 are available now. Data for future years will become available as the data are processed. Data prior to 1968 are not available.

### Marriage Data

*Coverage.* Marriage data are based on samples of marriage certificates obtained from States meeting reporting criteria for the marriage registration area (MRA). In 1968 the MRA covered 39 States and the District of Columbia. South Carolina and Minnesota were included beginning in 1971.

<sup>e</sup>*Eighth Revision International Classification of Diseases Adapted for Use in the United States* (Public Health Service Publication No. 1693) used in coding cause-of-death data is available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, Vol. I, Tabular List, is \$9.40; Vol. II, Alphabetic Index, is \$9.45.

Marriage statistics are limited to events occurring during the year and registered within the specified areas. Marriages occurring to nonresidents of the United States in these areas are included; marriages occurring to U.S. citizens outside these areas are excluded.

*General Description.* Demographic information includes geographic classification (States only), age, race, sex, and previous marital status for each partner in the marriage. Certificate numbers are not on the tapes. Table 9 lists the items in the data file.

Records of each State in the registration area were sampled at one of the five sampling rates used in processing 1968 through 1975 data. There is one tape record for each marriage included in the sample. The tape record includes a weight based on the sampling fraction of the reporting State. A discussion of the sample design, sampling procedures, estimating procedures, and sampling errors, published in the technical appendix of *Vital Statistics of the United States*, Volume III, is included in the documentation. The data tape package contains all necessary documentation, including tape content.

*Data Years Available.* Data from 1968 through 1975 are available now. Data prior to 1968 are not available.

### Divorce Data

*Coverage.* Divorce data are based on information from samples of divorce certificates obtained from States meeting reporting criteria for the divorce registration area (DRA). The DRA covered 26 States in 1968 and 28 States in 1969. South Carolina was included beginning in 1971.

Divorce statistics are limited to events occurring during the year and registered within the specified areas. Divorces occurring to nonresidents of the United States in these areas are included, and divorces occurring to U.S. citizens outside these areas are excluded.

*General Description.* Demographic information includes geographic classification (States only), age, race, sex, and previous marital status for each partner in the divorce. Divorce certifi-

Table 8. Summary of 1968-75 mortality data tapes, by type of file

Detail <sup>1</sup>	Local area summary	Cause-of-death summary
Data year	Stub variables <sup>1</sup>	Stub variables <sup>1</sup>
Residence of decedent <sup>2</sup>	Residence of decedent <sup>2</sup>	State of residence <sup>2</sup>
State	State	Sex
County	County	Race
City (250,000 persons and over)	City (10,000 persons and over)	1968 (7 categories)
Population size	Population size	1969-75 (9 categories)
SMSA	SMSA	Underlying cause of death:
Metropolitan/nonmetropolitan	Metropolitan/nonmetropolitan	Each cause
Age at death (single years)	Underlying cause of death:	Recoded to 281 cause-of-death
Month of death	Recoded to 69 cause-of-death	groups
Day of death (1972-75)	Recoded to 34 cause-of-death	Recoded to 69 cause-of-death
Place of death (State, county)	groups	groups
Race:		
1968 (7 categories)		
1969-75 (9 categories)		
Sex	Spread variables <sup>1</sup>	Spread variables <sup>1</sup>
Underlying cause of death:	Total number of deaths	Age at death:
Each cause		5-year age groups
Whether autopsy performed (1972-75)		Single years under 5 years of age
Whether findings used (1972-75)		Under 1 year:
		Less than 1 day
		1-6 days
		7-27 days
		1-11 months
		Month of death
Record length.....	160	28
Block size.....	3,200	1,400
Approximate number of records.....	2,000,000	30,000
Number of reels:		
1968.....	10	1
1969.....	10	1
1970.....	10	1
1971.....	10	1
1972.....	5	1
1973.....	10	1
1974.....	10	1
1975.....	10	1

<sup>1</sup>All data items in the detail file are in EBCDIC code; the stub portion of all summary records consists of EBCDIC codes and the spread portion consists of a series of fields containing numbers of deaths in binary code.

<sup>2</sup>Beginning in 1970 the place of residence for decedents who were nonresidents of the United States is coded to the country of residence (8 categories). Formerly these deaths were considered resident deaths of the place of occurrence. The local area and cause-of-death summaries exclude data for nonresidents of the United States.

cate numbers are not on the tapes. Table 10 lists the items in the data file.

Records of each State in the registration area were sampled at one of the four sampling rates used in processing 1968 through 1975 data. There is one tape record for each divorce included in the sample. The tape record includes a

weight based on the sampling fraction of the reporting State. A discussion of the sample design, sampling procedures, estimating procedures, and sampling errors, published in the technical appendix of *Vital Statistics of the United States*, Volume III, is included in the documentation. The data tape package contains

Table 9. Summary of 1968-75 marriage data tapes

Data year	
Age of:	
Bride	
Groom	
Date of birth (month/year):	
Bride	
Groom	
Date of marriage (month/day)	
Date last marriage ended <sup>1</sup> (1970-75):	
Bride	
Groom	
Education of <sup>1</sup> (1970-75):	
Bride	
Groom	
Number of this marriage:	
Bride	
Groom	
Previous marital status of:	
Bride	
Groom	
Race of: <sup>1</sup>	
Bride (3 categories)	
Groom (3 categories)	
State of birth (1969-75):	
Bride	
Groom	
State of marriage	
State of residence: <sup>2</sup>	
Bride	
Groom	
Type of ceremony (1972-75)	
Record weight	
Record length .....	140
Block size .....	2,800
Approximate number of records	
ranges from .....	183,165 to 495,000
Number of reels:	
1968 .....	1
1969 .....	1
1970 .....	1
1971 .....	1
1972 .....	2
1973 .....	2
1974 .....	2
1975 .....	3

<sup>1</sup>Applicable only for those States having information on the certificate.

<sup>2</sup>Beginning in 1970 the place of residence for brides or grooms who are nonresidents of the United States is coded to the country of residence (8 categories). Formerly these persons were considered resident brides or grooms of the place of occurrence.

Table 10. Summary of 1968-75 divorce data tapes

Data year	
Age at decree and at marriage for:	
Husband	
Wife	
Age at separation <sup>1</sup> for (1970-75):	
Husband	
Wife	
Date of birth for (month/year):	
Husband	
Wife	
Plaintiff (1974-75)	
Date of marriage (month/year)	
Date of separation (month/year) (1970-75)	
Education of <sup>1</sup> (1970-75):	
Husband	
Wife	
Month of divorce	
Number of children under 18 years of age	
Number of this marriage for:	
Husband	
Wife	
Number of previous marriages ended by death <sup>1</sup> (1970-75):	
Husband	
Wife	
Number of previous marriages ended by divorce <sup>1</sup> (1970-75)	
Race of:	
Husband (3 categories)	
Wife (3 categories)	
State of marriage (1972-75)	
State of divorce	
Total number of living children <sup>1</sup> (1970-75)	
Record weight	
Record length .....	140
Block size .....	2,800
Approximate number of records	
ranges from .....	62,000 to 115,000
Number of reels for each data year .....	1

<sup>1</sup>Applicable only for those States having information on the certificate.

all necessary documentation, including tape content.

*Data Years Available.* Data from 1968 through 1975 are available now. Data prior to 1968 are not available.

# DATA FROM THE NATIONAL SURVEY OF FAMILY GROWTH

*Coverage.* The National Survey of Family Growth (NSFG) is a cyclic survey of civilian noninstitutionalized women living in the conterminous United States who are less than 45 years of age and who are currently married, previously married, or single with natural children presently living in the household. Data are collected by means of personal interviews with a probability

sample of these women. Fieldwork for Cycle I was conducted by the National Opinion Research Center in a period centering on September 1973, and yielded 9,797 interviews. Fieldwork for Cycle II was conducted by Westat, Inc., in a period centering on April 1976, and yielded 8,611 interviews. Only data from Cycle I are now available (table 11).

Table 11. *Summary of National Survey of Family Growth data tape*

<i>Couple data</i>	<i>Interval data</i>
Marital status	
Ideal family size	
Premarital preferred family size	
Children born to mother of respondent and her husband's mother	
Birth dates, respondent and husband	
Date of present marriage	
Dates previous marriages began and ended, and reasons for dissolutions	
Current pregnancy status	
Number of pregnancies and births	
Number of husband's children	
Number of adopted children	
Contraceptive method used in each month from July 1970 to interview	
Dates of sterility or subfecundity	
Number of additional births intended	
Reasons for not contracepting	
Timing of expected births	
Preferences for number and sex of children	
Provider of and mode of payment for prenatal care	
Hospitalization of infant and mother after birth	
Year of onset of diabetes, high blood pressure, and anemia	
Doctor visit, pelvic exam, Pap smear, and family planning consultation before marriage, or in last 5 years	
Provider of family planning consultation, method recommended, and discussion of side effects	
Source of contraceptive supply	
Provider of infertility consultation (if any) in last 5 years	
Use of rhythm to conceive	
Use of oral contraceptive for medical reasons	
Race observed by interviewer	
Farm residence in childhood, respondent and husband	
State of residence in childhood, respondent and husband	
Living with parents in childhood, respondent and husband	
<b>Open interval</b>	
Months with no intercourse	
Contraceptives used	
Dates began and stopped contraception	
Regularity of contraception	
Current contraceptive practice	
<b>Pregnancy intervals after July 1970</b>	
Number of intervals	
Order of interval	
Months without intercourse	
Contraceptives used	
Dates began and stopped contraception	
Regularity of contraception	
Date interval ended by pregnancy	
(Note: These data are given for each interval to a maximum of 5.)	
<b>Pregnancy intervals ending in birth</b>	
Order of interval	
Date of birth	
Sex of child	
Birth weight (pounds, ounces)	
(If deceased) date of child's death	
(If living) date child last lived with respondent	
Number of months child breast fed	
(Note: These data are given for each birth to a maximum of 17.)	

Table 11. *Summary of National Survey of Family Growth data tape—Con.*

Couple data	Interval data
Ethnicity, respondent and husband (15 categories)	All pregnancy intervals
Educational attainment, respondent and husband (19 categories)	Order of interval
Years of education in religious schools	Contraception in interval
Education at time of marriage, respondent and husband	Termination of contraception for pregnancy
Husband's age at marriage (single years)	Desire for another baby
Work for pay before marriage and in intervals between and after births	Husband's desire for another baby
Type and hours of child care	Desire for pregnancy at that time
Occupation: 3-digit census categories, respondent and husband	Husband's desire for pregnancy at that time
Occupational prestige: standardized score, respondent and husband	Date pregnancy ended
Job income (dollar amount)	Outcome of pregnancy
Religion, respondent and husband (18 categories)	(Note: These data are given for each pregnancy to a maximum of 26.)
Attendance at religious services, respondent and husband	
Employment status, respondent and husband	
Amount and sources of income earned in last 12 months by respondent, husband, and other family members	
Interview date	
Record length .....	2,100
Block size .....	2,100
Number of records .....	9,797
Number of reels .....	1

*General Description.* The National Survey of Family Growth was initiated to provide current information on family formation, contraception, and reproduction, and the effects of these processes on population growth. It is similar in design and purpose to the Growth of American Families Studies (GAF) conducted by the Scripps Foundation and the University of Michigan in 1955 (GAF-I) and 1960 (GAF-II), and to the National Fertility Surveys (NFS) conducted by the Office of Population Research, Princeton University, in 1965 (NFS-I) and 1970 (NFS-II). In combination, the three series of surveys provide comparable data on many aspects of the American fertility experience over the last two decades.

Topics covered in the NSFG-I interview included marital history, pregnancy history, employment, occupation, child care, fecundity and sterility, selected medical conditions, prenatal and postnatal medical care, family planning con-

sultations, birth expectations, family size and sex preferences, residence, ethnicity, education, religion, and income. In addition, general information on contraception was obtained for each pregnancy interval, and detailed information on contraception was obtained for each month from July 1970 through the date of the interview. Also, a series of questions was asked to establish for each pregnancy whether or not it was wanted by husband and wife just before conception. Some information was obtained about the husband, including residence, ethnicity, education, religion, occupation, and income.

The data are contained on one record, beginning with information about the respondent and her husband, and followed by information about the respondent's pregnancies and births. Each record contains a single weight to be used in obtaining national estimates from the data. The complex sample design makes computation of

variance estimates difficult, but reports published by NCHS on NSFG-I contain charts from which standard errors of certain statistics may be estimated.

Each data tape package contains one tape volume and all necessary documentation: tape contents manual; interview schedule; description

of sample design, estimation procedures, and variance estimation; and description of the origin and history of the NSFG.

*Data Years Available.* A tape for Cycle I is now available. Tapes for Cycle II and succeeding cycles will be released following initial analysis by NCHS.

# DATA FROM THE NATIONAL NATALITY AND MORTALITY FOLLOWBACK SURVEYS

**Coverage.** The National Natality and Mortality Followback Surveys are based on calendar-year samples of births and deaths from within the registration system.

**General Description.** There are three birth surveys which cover legitimate births in the years 1964-66, 1967-69, and 1972. Respectively, the data tape summaries for these surveys are

shown in tables 12, 13, and 14. The 1964-66 survey includes such topics as pregnancy history, birth expectation, family composition, employment status, health insurance coverage, and selected socioeconomic variables (table 12). The 1967-69 survey introduced several new variables including additional items relative to employment of the mother, religious preference,

Table 12. *Summary of 1964-66 Natality Survey data tape, by source*

<i>Source</i>	
<i>Birth certificate</i>	<i>Survey questionnaire</i>
State of:	Live-birth order
Occurrence of birth	Number of:
Mother's residence	Children born alive, now dead
Metropolitan/nonmetropolitan (on county of mother's residence)	Fetal deaths
Age of:	Miscarriages
Father (in single years)	Dates of:
Mother (in single years)	Birth of all live-born children
Race of:	Death of each child (if any)
Father (8 categories)	Sexes of all live-born children
Mother (8 categories)	Current status of each child (dead or alive)
Child (8 categories)	Number of children living away from home
Sample child:	Expectations of future births, including qualifications to mother's response
Sex	Date of birth of:
Date of birth	Father
Reported or inferred legitimate	Mother
Birth weight in grams	Date of mother's:
Number at birth	First marriage
Presence of congenital abnormalities	Present marriage
Live-birth order	Education of:
Completed weeks of pregnancy	Father (in single years)
Attendant at birth (4 categories)	Mother (in single years)
Type of delivery	Family income (10 categories)
Sample weight factor:	Mother's employment during pregnancy (if employed, when did she quit?)
Annual	Did mother have health insurance for:
3-year average	Physician visits
Record length .....	Hospitalization
Block size .....	Physician care in hospital
Number of records .....	Household composition (household status, family status, family type)
Number of reels .....	
	720
	720
	10,395
	1

Table 13. Summary of 1967-69 Natality Survey data tapes, by source

Source			
Birth certificate	Survey questionnaire		
State of:	Number of previous:		
Occurrence of birth	Children still living		
Mother's residence	Fetal deaths—date of last, if any (1967 only)		
Age of:	Miscarriages—date of last, if any (1967 only)		
Father (in single years)	Wantedness status of sample child (1968 and 1969 only)		
Mother (in single years)	Interval between:		
Race of:	First-born and sample child		
Father (8 categories)	Last previous birth and sample child		
Mother (8 categories)	Expectations of future children:		
Child (8 categories)	Number		
Education of:	When next child expected		
Father (in single years)	When last child expected		
Mother (in single years)	Mother's marital history:		
Number of:	Year of first marriage		
Previous children born alive, still living	Year first marriage ended		
Previous children born alive, now dead	Year of present marriage		
Fetal deaths	Education of:		
Date of birth of:	Father (in single years)		
Sample child	Mother (in single years and year it was completed)		
Last live birth	Religion of:		
Sample child:	Father (6 categories)		
Sex of child	Mother (6 categories)		
Number at birth	Household composition (1967 only—household status, family status, family type)		
Reported or inferred to be legitimate	Income:		
Birth weight (in grams)	Total family income (11 categories)		
Presence of congenital abnormalities (1967 only)	Sources of family income (1967 only—wage, welfare, farm-business, other)		
Completed weeks of pregnancy	Husband's income (11 categories)		
Attendant at birth (5 categories)	Mother's employment history:		
Type of delivery (1967 only)	Worked before marriage		
Sample weight factor	Worked after marriage before birth of first child		
	Worked between this pregnancy and the previous one		
	Worked during this pregnancy—if so, when did she quit		
	Worked since birth of baby		
	Is mother working now—if so, when did she return		
	Does mother plan to return to work—if so, when		
	Pre- and postnatal care:		
	Did mother see doctor or nurse during pregnancy—if so, during what month		
	Did mother see doctor or nurse after delivery—if so, during what month		
	Did doctor or nurse examine baby after delivery—if so, during what month		
	How many nights did mother and baby spend in hospital (1967 only)		
	How many cigarettes did mother smoke a day:		
	Before she knew she was pregnant		
	After she knew she was pregnant		
	Did mother breastfeed and for how long		
	When did mother resume menstruation		
	1967	1968	1969
Record length .....	350	350	350
Block size .....	3,500	3,500	3,500
Number of records .....	3,576	3,595	3,666
Number of reels.....	1	1	1

Table 14. Summary of 1972 Natality Survey data tape, by source

Source		
Birth certificate	Mother questionnaire	Hospital and physician questionnaires
State of: Occurrence of birth Mother's residence	Number of: Children ever born Children born alive now dead Stillbirths Miscarriages	Total number of previous pregnancies: Fetal deaths Previous children born alive Previous children born alive still living Previous children born alive now dead
Age of: Father (in single years) Mother (in single years)	Date of: Birth and death for each child Last stillbirth Last miscarriage	Date of: Admission of mother Discharge of mother—alive or dead
Race of: Father (9 categories) Mother (9 categories) Child (9 categories)	Prenatal care: Number of physicians seen Number of institutions seen	Age of mother (in single years) Date of last normal menses
Education of: Father (in single years) Mother (in single years)	Postnatal care: Number of physicians seen Number of institutions seen	Labor: Complications (yes, no) Total duration (in hours)
Sex of child	Health insurance: During the year (yes, no) At time of birth (yes, no)	Delivery: Type Anesthetics used (type and number)
Number at birth	Proportion that health insurance paid for: Prenatal care (7 categories) Hospital bill (7 categories) Doctor's bill (7 categories)	This pregnancy, number of and type of: Complications or unusual con- ditions noted during first trimester, second trimester, and third trimester
Number of: Previous children born alive now living Previous children born alive now dead Fetal deaths	Does mother expect more children and how many Wantedness status of sample child	Complications of this pregnancy Underlying medical conditions Complications to mother's health after delivery
Date of: Birth of sample child Last fetal death	Date of mother's: First marriage Present marriage	Was operation performed which will prevent future pregnancies
Birth weight in grams	Education of: Father (in single years) Mother (in single years)	Health of the infant: Birth weight in grams
Month of pregnancy prenatal care began	Number of: Relatives in family Persons in immediate family Mother's children in household Mother's children living away	Number at birth (if plural, birth order)
Number of prenatal visits	Head of family	Baby's age when first examined outside delivery room
Reported or inferred to be legitimate	Date of birth of: Father Mother	Apgar score at 1 and 5 minutes
Completed weeks of pregnancy	Income: Husband's (10 categories) Total family (10 categories)	Were any unusual resuscitative efforts required
Attendant at birth (4 categories)		Congenital malformations or anomalies: Noted at delivery (yes, no) Noted before discharge (yes, no)
Presence of congenital malformations		Birth injuries noted before dis- charge (yes, no)
Sample weight factor		Any other illnesses noted before discharge (yes, no)
		Discharge of infant: Was infant discharged alive—if not: Age at death Cause of death specified (yes, no)

Table 14. Summary of 1972 Natality Survey data tape, by source—Con.

Source		
<i>Birth certificate</i>	<i>Mother questionnaire</i>	<i>Hospital and physician questionnaires</i>
		Date of discharge Was discharge examination given Type of discharging physician Place discharged to Pre- and postnatal care: Month of pregnancy prenatal care began Number of prenatal visits (in single visits) Who referred mother to this hospital Did referring source provide any prenatal care Number of postpartum visits within 3 months after birth, both routine and nonroutine Date of first postpartum visit Family planning information: Was information received from the hospital and the physician during the prenatal period, hospital stay, and postpartum period Did mother agree to use family planning information received from the hospital and private physician
Record length .....		930
Block size .....		9,300
Number of records .....		5,689
Number of reels .....		1

NOTE: The dates of the various events have been used to calculate intervals between these events.

pre- and postnatal care, and cigarette smoking (table 13). In 1968 and 1969 a variable was added on whether or not the mother had wanted to become pregnant with the sample child. The 1972 survey is similar in content to the 1964-66 and 1967-69 surveys but does not include items on employment status, religious preference, or cigarette smoking. However, the 1972 survey does include many new items on maternal and infant health available from questionnaires sent to physicians and hospitals (table 14).

A 1964-66 infant mortality survey was patterned closely after the 1964-66 birth survey

which also provides denominators for the 1964-66 infant mortality data. Because the data tapes contain multiple records per sample child, the number of records is not the same as the number of sample children or single cases. Table 15 lists the items on the data tapes.

Separate data tapes are available for each year of the 1967-69 birth survey. Combined 3-year tapes are available for the 1964-66 birth survey and 1964-66 infant mortality survey. A combined tape is not available for the 1967-69 birth survey.

Table 15. Summary of 1964-66 Infant Mortality Survey data tape, by source

Death certificate	Survey questionnaire
Occurrence of death by State, region, and division	Live-birth order
Date of death	Number of children born alive, now dead
Sex of child	Number of children living away from home
Race of child (3 categories)	Number of fetal deaths
Age at death of child (all under 1 year)	Number of miscarriages
Underlying cause of death ( <i>Seventh Revision Code</i> )	Was baby hospitalized at time of death
Inferred legitimacy status	Was baby born in hospital
Residence by division and region	Number of hospitals seen
Residence by SMSA/non-SMSA	Household composition (household status, family status, family type)
Sample weight (annual weight)	Date of mother's birth
	Date of father's birth
	Family income (11 categories)
	Date of mother's first marriage
	Date of mother's present marriage
	Was mother employed during pregnancy (yes, no)
	When did mother quit work during pregnancy (date)
	Education of mother (in single years)
	Education of father (in single years)
	Did mother have health insurance for physician visits, hospitalization, and/or physician care in hospital (yes, no)
	Dates of death of all children (if any)
	Interval in months between sample child's birth and date of last previous live birth
	Birth weight in grams (from hospital questionnaire 1964-65 only)
	Date of birth of sample child
	Dates of birth of all live-born children of mother
	Current status of all children (dead, alive)
	Sex of all children
Record length .....	200
Block size .....	4,000
Number of records .....	7,800
Number of single cases .....	2,490
Number of reels .....	1

A mortality survey in 1966-68 collected data on the smoking habits of decedents aged 35-84. Further, information was gathered on household composition, family income, and assets for ages 50 and over. A combined tape only is available for the 1966-68 mortality survey, for which the tape summary can be seen in table 16.

Selected birth and death record data also supplement the survey data on the data tapes. Each data tape package includes all necessary documentation.

*Data Years Available.* The data years are given above. Survey data for other years are not available.

Table 16. *Summary of 1966-68 Mortality Survey data tape, by source*

<i>Death certificate</i>	<i>Survey questionnaire</i>
Occurrence of death by geographic division	Sex of decedent
Occurrence of death by State	Did decedent smoke cigarettes
Date of death	Number of packs of cigarettes smoked per day:
Sex of decedent	During period of heaviest smoking
Race of decedent (2 categories)	During year prior to death
Age of decedent (in single years from 35 to 84)	During 3 years prior to death
Underlying cause of death	Did decedent smoke cigars (males)
Marital status of decedent (6 categories)	Did decedent smoke a pipe (males)
Relationship of informant to decedent	Date of birth of head of household
Sample weight	Date of birth of decedent
	Marital status of decedent
	Household composition (living arrangements, family status, family type)
	Total family income (10 categories)
	Value of things owned by decedent and spouse (8 categories)
	Date of birth of surviving spouse
	Number of decedent's children in household
	Date of birth of oldest child in household
	Number of children under 18 years old in family
Record length .....	120
Block size .....	3,600
Number of records .....	19,526
Number of reels .....	1

## DATA FROM THE HEALTH INTERVIEW SURVEY

*Coverage.* The Health Interview Survey is a continuing nationwide survey of the U.S. civilian noninstitutionalized population conducted by household interviews. Each week a probability sample of households is interviewed by trained personnel of the U.S. Bureau of the Census to obtain information about the health and other characteristics of each living member of the sample household. During a year the sample is usually composed of approximately 42,000 households including about 120,000 persons. The 1970 sample was reduced by 5,000 households because of budgetary limitations.

*General Description.* Information is obtained on the number of restricted-activity days, bed days, work- or school-loss days, and all physician and dental visits occurring during the 2-week period prior to the week of the interview. Data are also obtained on the acute and chronic conditions that were responsible for these days or visits. Respondents are asked about long-term limitation of activity and mobility and the chronic conditions related to this disability. Each year information is obtained on the prevalence of a selected system of chronic conditions (see table 17 for the system for each of the years). All conditions are coded to the *International Classification of Diseases*<sup>f</sup> using the limited diagnostic detail available from a household respondent. Data are obtained on all hospital episodes during the prior 12 months, including length of stay, reason for entering hospital, and whether surgery was performed. Data are also obtained on the interval since the last doctor and dental visit. Table 17 lists the items in the data file.

A more detailed description of the survey and summary tables from 1969-75 data can be found in the *Current Estimates* reports, Series

10, Nos. 63, 72, 79, 85, 95, 100, and 115, of *Vital and Health Statistics*.

Data are arranged by five different record types (household, person, condition, doctor visit, and hospital) with basic person data on each record so that no cross-record tabulations are required for most types of analyses. The record types are not available individually. Selected supplemental data are included in the person records. Inquiries concerning the particular supplemental data included for a given year and the supplemental data that may be purchased separately should be made to the Division of Health Interview Statistics.

Each record contains a series of different statistical weights to be used for different variables in making national estimates from the data. These weights have been cross-multiplied with the basic variables, providing, in essence, preweighted data on the tape. The preweighted items on the 1969 tapes are in binary code while the remaining data are in EBCDIC code; the entire 1970 through 1975 tapes are in EBCDIC code. Because of the complex nature of the sample, there are no straightforward methods of computing variance estimates. However, NCHS-published reports contain relative standard error charts which can be used in estimating the variances of selected estimates.

Each data tape package includes all necessary documentation, including tape content, *Interviewer's Manual*, medical coding instructions, sample tabulation specifications, and related final data tables from publications.

*Data Years Available.* Tapes from the 1969 through 1975 surveys are available at the present time. Those for succeeding years will be released when NCHS has had adequate time to make an initial analysis of the data.

<sup>f</sup>See footnote d.

Table 17. Summary of 1969-75 Health Interview Survey data tapes, by type of file

Person	Condition
ID number	ID number
Region	Same demographic variables as Person Record
SMSA or non-SMSA residence	All conditions:
Race	Chronic/acute code
Sex	Onset
Age	Diagnosis
Marital status	Restricted-activity days:
Family relationship	Bed days
Family size	Work- or school-loss days
Education of:	Injuries:
Individual	Hospitalization
Family head	Motor vehicle involved
Veteran status	Place of accident
Family income	Cause of accident
Usual activity	Selected chronic conditions:
Class of worker	Musculoskeletal-skin (1969)
Industry	Respiratory (1970)
Occupation	Impairments (1971)
Respondent (self or proxy)	Circulatory (1972)
Limitation of activity:	Miscellaneous (1973)
Degree and duration	Digestive (1975)
Limitation of mobility:	All conditions causing limitation of activity or mobility:
Degree and duration (1972 only)	Limitation of activity:
Dental visits:	Degree and duration
In past 12 months	Limitation of mobility:
Interval since last	Degree and duration (1972 only)
Type of service (1971 only)	Doctor seen:
Doctor visits:	Interval before seeing
In past 12 months	Treatment:
Interval since last	During past 12 months
Hospitalization:	Surgical treatment
Number of episodes	Hospitalization
Days in past 12 months	Doctor visits in past 12 months
Health insurance coverage (January-March and October-December 1970):	Frequency and degree of discomfort
Medical	Current status of condition (if cured, length of time with condition)
Hospital	
Surgical	
Health insurance coverage (1974):	
Hospital	
Surgical	
Use of corrective lenses and hearing aids (1971 only)	
Edentulous persons and use of dentures (1971 only)	
Cigarette, cigar, and pipe smoking habits (1970 only)	
Preventive care (1973 only)	
Blood donors (1973 only)	
Health status (1972-74)	
Orthodontic care (1974 only)	
Annual volumes of:	
Restricted-activity days	
Bed days	
Work-loss days	
School-loss days	
Dental visits	
Doctor visits	
Hospital days	

Table 17. Summary of 1969-75 Health Interview Survey data tapes, by type of file—Con.

Doctor visit		Hospital record						
ID number		ID number						
Same demographic variables as Person Record		Same demographic variables as Person Record						
Date of visit		Type of service						
Type of doctor		Hospital ownership						
Place of visit		Date of admission						
Conditions causing visit		Nights in hospital in past 12 months						
Limitation of activity:		Date of discharge						
Degree and duration		Diagnosis						
Limitation of mobility:		Surgery						
Degree and duration (1972 only)		Limitation of activity:						
Reason for visit		Degree and duration						
Source of payment (1972 only)		Limitation of mobility:						
		Degree and duration (1972 only)						
		Source of payment (1972 only)						
	1969	1970	1971	1972	1973	1974	1975	
Record length .....	320	516	486	464	464	478	464	
Block size.....	3,200	5,160	4,860	4,640	4,640	4,780	4,640	
Number of records:								
Household.....	44,110	39,011	45,422	46,149	42,135	41,314	41,649	
Person.....	131,575	116,466	134,502	132,891	120,493	116,287	116,289	
Condition.....	91,295	68,351	68,441	63,714	51,401	37,453	51,507	
Doctor visit.....	22,437	21,412	25,393	100,245	23,169	15,692	22,522	
Hospital.....	18,023	16,073	17,714	17,553	16,140	22,058	15,650	
Number of reels.....	6	6	6	7	6	6	6	6

# DATA FROM THE HEALTH EXAMINATION SURVEY

The Health Examination Survey (HES) provides statistics on: (1) the medically defined prevalence in the U.S. population of a variety of specific diseases using standardized diagnostic criteria, and (2) distributions of the general population with respect to certain physical, physiological, and psychological measurements. The HES is conducted as a series of survey programs called "cycles." Each cycle is limited to some specific segment of the U.S. population and to certain aspects of the health of that population. Data are collected in each cycle of the survey by direct physical examinations, tests, and measurements performed on individuals selected in the sample. Such examinations, tests, and measurements provide information not only about diagnosed conditions that persons fail to report or are incapable of reporting in a survey based upon individual interviews, but also about previously undiagnosed, unattended, and nonmanifested chronic diseases. In addition, the HES obtains baseline data on certain physical, physiological, and psychological measurements not previously available for a defined population. In each cycle, interview data are also obtained to relate the examination findings to socioeconomic and demographic characteristics of the population.

## Cycle I Data—Adults, 18-79 Years

**Coverage.** The first cycle of the Health Examination Survey was an examination survey of the adult civilian noninstitutionalized population of the United States, excluding Alaska and Hawaii. The adult population was defined as those persons 18-79 years of age. A nationwide probability sample of 7,710 persons 18-79 years of age was drawn. Altogether, 6,672 persons were examined during the course of the survey that was begun in October 1959 and completed in December 1962.

**General Description.** Information was obtained for each adult examined by means of a household interview, a medical history, a medical examination, a dental examination, an X-ray, EKG readings, laboratory blood tests, vision and

hearing tests, and anthropometric measurements. To enable the user to select only that part of the total data set of particular interest to him, the data from the first cycle have been arranged into several data tapes, including those tapes on person and demographic characteristics, symptoms of psychological distress, physical measurements, cardiovascular findings, arthritis, dental findings, and diabetes findings. Summary information for these data are presented in tables 18-24.

Presently available for release are seven data tapes, one of which contains person and demographic characteristics (table 18). This is a master tape intended for use in conjunction with

Table 18. *Summary of person and demographic characteristics data tape*

### Demographic characteristics of examined person:

Age	for females
Sex	
Race	
Marital status	
Education	
Usual activity	
Occupation and industry	
Relationship to head of household	
Veteran status of males	
Number of children born alive	
Number of abortions	
Pregnancy status	
Age at menopause	
Age at menarche	
Household characteristics:	
Total persons in household	
Family income	
Age indication of head of household	
Education of head of household	
Geographic characteristics of location:	
Population size	
Population density	
Farm/nonfarm residence	
Region	
Appointment and examination-related characteristics	
Weights to inflate sample to population level	
File sequence number	

Record length .....	132
Block size .....	2,640
Number of records .....	6,672
Number of reels .....	1

Table 19. *Summary of psychological distress data tape*

Demographic characteristics listed in table 18	
Veteran status of males	
Number of children born alive	
Number of abortions	
Pregnancy status	for females
Age at menopause	
Age at menarche	
Household characteristics:	
Total persons in household	
Family income	
Age indication of head of household	
Education of head of household	
Geographic characteristics of location:	
Population size	
Population density	
Farm/nonfarm residence	
Region	
Appointment and examination-related characteristics	
Weights to inflate sample to population level	
Symptoms of psychological distress:	
Ever fainted or blacked out	
Ever had a nervous breakdown	
Trouble getting to sleep or staying asleep	
Ever bothered by nervousness	
Ever bothered by nightmares	
Bothered by trembling hands	
Trouble with sweaty hands	
Bothered by heart beating hard	
Headaches in the past few years	
Ever had spells of dizziness	
File sequence number	
Record length .....	132
Block size .....	2,640
Number of records .....	6,672
Number of reels .....	1

any or all other data tapes in the set. It contains demographic, socioeconomic, and geographic classification information not available on most of the other data tapes. A uniform sequence file number on all data tapes permits the user to merge any of the data tapes.

*Data Years Available.* Survey data for the first cycle (October 1959-December 1962) are available.

#### Cycle II Data—Children, 6-11 Years

*Coverage.* The second cycle of the Health Examination Survey was conducted on a nationwide probability sample of 7,417 children 6-11

Table 20. *Summary of physical measurement data tape*

Height	
Weight in pounds	
Biacromial diameter in inches	
Right arm girth	
Chest girth	
Waist girth	
Sum of skinfolds	
Sitting normal height	
Sitting erect height	
Knee height	
Popliteal height	
Thigh clearance height	
Buttock-to-knee length	
Buttock-popliteal height	
Seat breadth (across hips)	
Elbow-to-elbow breadth	
Elbow rest height	
Girdle worn or not	
Weights to inflate the sample to population level	
File sequence number	
Record length .....	132
Block size .....	2,640
Number of records .....	6,672
Number of reels .....	1

Table 21. *Summary of cardiovascular data tape*

Responses to selected items on a self-administered medical history questionnaire	
Results of the physician's examination related to the cardiovascular system	
Diastolic and systolic blood pressure	
Electrocardiograph readings (three readings and summary)	
Chest X-ray readings to determine existence of lesion, heart enlargement, or other cardiovascular abnormalities (three readings and final evaluation)	
Serum cholesterol values	
Cardiovascular conditions reported on household interview questionnaire	
Final examination diagnosis of definite and suspected heart disease, hypertension, and types of heart disease	
Hypertension and heart disease, total and by type of heart disease according to physician's impression only, and final examination diagnosis	
Cardiovascular disease diagnosis by personal physician	
Weights to inflate the sample to population level	
File sequence number	
Record length .....	250
Block size .....	2,500
Number of records .....	6,672
Number of reels .....	1

Table 22. Summary of osteoarthritis and rheumatoid arthritis data tape

Age-sex recode	
Race	
Osteoarthritis diagnosis (X-rays):	
Hands	
Feet	
Hands and feet	
Limitation of activity from all causes	
Presence of morning stiffness	
Presence of swollen joints	
Prevalence of iritis	
Presence of rheumatoid and arthritis tenderness	
Presence of rheumatoid and arthritis subcutaneous nodules	
Arthritic and rheumatoid pain on motion except distal interphalangeal and spine	
Prevalence of arthritis, and rheumatism according to examining physician's impression	
Bentonite flocculation (dilution)	
Self-diagnosis of arthritis or rheumatism and whether reported as confirmed by a doctor	
Self-reporting of duration, onset in past year, and use of medicine for arthritis and rheumatism	
Prevalence of gout	
Weights to inflate the sample to population level	
File sequence number	
Record length .....	52
Block size .....	52
Number of records .....	6,672
Number of reels.....	1

years of age from the civilian noninstitutionalized population of the United States, excluding Alaska and Hawaii.<sup>a</sup> The survey started in July 1963 and was completed in December 1965. Of the 7,417 children selected for the sample, 7,119 (96 percent) were examined. This national sample is representative of the roughly 24 million children in the population at that time.

**General Description.** Information was obtained for each examined child by means of detailed, structured questionnaires for medical and developmental histories from a household adult, usually the mother; a school questionnaire; medical, dental, and psychological examinations; vision and hearing tests; and anthropometric measurements.

The major data elements obtained and de-

<sup>a</sup>A detailed description (sample plan, operational procedure, content, etc.) may be obtained by writing to NCHS for DHEW Publication No. (HSM) 73-1251, Series 1, No. 5.

Table 23. Summary of dental findings data tape

Age-sex recode	
Race-sex recode	
Edentulous-denture status:	
Upper arch	
Lower arch	
Usable abutments	
Simplified debris index	
Simplified calculus index	
Periodontal index	
Simplified oral hygiene index	
Number of:	
Normal teeth	
Decayed teeth	
Filled teeth	
Filled defective teeth	
Nonfunctional carious teeth	
Total teeth present	
Total number of:	
Teeth missing	
Missing spaces closed	
Replaced teeth	
Replaced defective teeth	
Number of decayed, missing, and filled teeth	
Last time saw dentist	
Periodontal index classification	
Regular dentist or not	
Classification by dental status	
Periodic dental checkups or not	
File sequence number	
Record length .....	52
Block size .....	52
Number of records .....	6,672
Number of reels .....	1

rived from this survey have been compiled into one Integrated Data Tape (IDT) file which is available for release. Code listings and other necessary documentation are provided with the tape package (table 25).

**Data Years Available.** Survey data for the second cycle (July 1963-December 1965) are available.

### Cycle III Data—Youths, 12-17 Years

**Coverage.** Cycle III of the Health Examination Survey was conducted on a nationwide probability sample of 7,514 youths, 12-17 years of age, from the civilian noninstitutionalized population of the United States.<sup>b</sup> The survey began in March 1966 and continued until March

<sup>b</sup>A detailed description (sample plan, operational procedure, content, etc.) may be obtained by writing to NCHS for DHEW Publication No. 1000, Series 1, No. 8.

Table 24. *Summary of diabetes findings data tape*

Self-knowledge or suspicion of diabetes	
Doctor's diagnosis of diabetes	
Onset of diabetes	
Use of insulin	
Use of oral medication	
Last doctor visit for diabetes	
Next appointment for doctor visit	
Foods eaten at last meal	
Post-prandial snack	
Ever given birth to high-birth-weight baby	
Incidence of dizziness and fainting	
Maximum, usual, and present weight	
Weight loss	
Family history of diabetes	
Ocular fundi examination	
Quality of arterial pulsations	
Serum cholesterol level	
Glucose level	
Time from last meal to glucose drink	
Time from glucose drink to venipuncture	
Time from glucose drink to urine specimen	
Urine sugar findings	
Urine albumin findings	
Diabetes diagnosis	
Blood glucose	
Height (weight) 1/3	
Relative weight	
File sequence number	
Record length .....	80
Block size .....	4,800
Number of records .....	6,672
Number of reels .....	1

1970. Of the 7,514 youths selected for the sample, 6,768 (90 percent) were examined. This sample is representative of the roughly 23 million youths in the population at that time.

Because the same basic sampling plan was used in Cycle III that had been used in the earlier Cycle II, nearly one-third of those children examined in Cycle II were also examined in Cycle III. Provision has been made in the Cycle III Extended Data Tape (EDT) to enable the user to identify those sample persons examined in both surveys and to create from the Cycle II IDT and the Cycle III EDT a composite data set for special studies of a longitudinal nature.

**General Description.** Information was obtained for each examined youth by means of a household interview; detailed questionnaires for medical and developmental histories; a school questionnaire; medical, dental, and psychological examinations; vision and hearing tests; anthropometric measurements; and certain X-rays and laboratory tests.

The basic data elements obtained and derived from this survey have been compiled into one EDT which is available for release. Code listings, control counts, and other necessary documentation are provided with the tape package. Table 26 provides a summary of items contained on this tape.

**Data Years Available.** Survey data for the third cycle (March 1966-March 1970) are available.

Table 25. Summary of Cycle II integrated data tape

**CONTROL INFORMATION**

ID number, sample-to-population weights, date of birth, and date of examination (month/day/year).

**BACKGROUND CHARACTERISTICS OF CHILD**

*Personal*—Sex, age, race, school grade, and twin status.

*Demographic*—Region, population size, rate of population change (1950-1960), size of place, SMSA, and land usage.

*Family*—Income, number of persons in household, foreign language spoken in home, and for both first- and second-listed parent or guardian—relationship to child, education, age, sex, race, place of birth, handedness, usual activity, marital status and history, and four kinds of household health episodes over past 10 years.

**BIRTH CERTIFICATE FOR CHILD**

State and place of birth, birth weight, multiple birth, length of pregnancy, medical observations at birth, number of children born to mother; and for both mother and father—age, birthplace, and race.

**CHILD MEDICAL AND DEVELOPMENTAL HISTORY**

Pregnancy history and problems, where born, length of stay in hospital, weight, health of baby, breastfed; age first walked and spoke first word, learning speed, attendance at nursery school or kindergarten, present health, medicine use, operations, thumbsucking, bedwetting, broken bones, knocked unconscious, burns, accidents, 25 childhood diseases; eye, ear, dental, walking and talking problems; activity restrictions; visits to doctor, dentist; sleeping problems and arrangements; menarche; food problems; regular tasks; peer relations; temper and tension ratings; running away from home; any serious upsets; participation in several listed activities; and time spent in several listed activities.

**SCHOOL QUESTIONNAIRE**

Grade placement, skipped, repeated; need for nine listed special school resources; classroom and interpersonal behaviors; and academic and intellectual standing.

**PSYCHOLOGICAL EXAMINATION**

Three tests were given (WISC—Vocabulary and Block Design; WRAT—Reading and Arithmetic; and Goodenough-Harris Draw-A-Person) with test qualifications noted; handedness and foreign language noted; and several different standard deviation and normalized scores provided.

**PHYSICAL EXAMINATION**

Temperature, pulse, general appearance (i.e., tics, nailbiting), eyes, heart examination, and blood pressure; chest X-ray; electrocardiogram; ear, nose, and throat; and physician's diagnostic impressions (i.e., overall, injuries, heart, neurological, congenital).

**AUDIOMETRY**

Decibel levels at 9 c.p.s. for both ears.

**VISION**

Color vision, near and distance acuity (each eye), and phoria.

**DENTAL EXAMINATION**

Number of primary and permanent teeth decayed, missing, filled, and present; gingivitis and periodontal pockets; periodontal, debris, calculus, oral hygiene, and orthodontic treatment priority indexes; malocclusion syndrome; buccal segment relations; posterior crossbites; incisor vertical relationship; malaligned teeth; mandibular protrusion; overjet; overbite; openbite; and orthodontic appliances.

**BODY MEASUREMENTS**

Thirteen sitting measurements and 13 standing measurements, three skinfold measures, height, weight, grip strength, and handedness.

Record length .....	800
Block size .....	8,000
Number of records .....	7,119
Number of reels .....	1

Table 26. Summary of Cycle III extended data tape

**CONTROL INFORMATION**

ID number (Cycle II ID number if same sample person for both cycles), date of birth, and date of examination (month/day/year).

**PERSONAL AND DEMOGRAPHIC CHARACTERISTICS OF EXAMINED YOUTH**

*Personal*—Sex, race, age, educational status, and twin status.

*Demographic*—Region, population size, rate of population change (1950-60), size of place, SMSA, and land usage.

*Family*—Family income and, for both first- and second-listed parent or guardian—relationship to youth, sex, race, age, place of birth (U.S. or foreign country), handedness, usual activity, highest level of education, marital status, number of persons in household under age 21, other children, age order, total number of persons in household, and foreign language spoken in home.

*Household health episodes*—Nature and severity of most serious health episodes occurring in household since the birth of the oldest examined youth.

**BIRTH CERTIFICATE FOR YOUTH**

State and place of birth, number of children born to mother, birth weight, birth order in multiple births, length of pregnancy, legitimacy status, medical observations at birth; and for both mother and father—age, birthplace, and race.

**YOUTH'S MEDICAL AND DEVELOPMENTAL HISTORY (PARENT REPORT)**

Pregnancy history and problems, where born, present health, use of medicine, broken bones, accidents or injuries, hospitalizations, operations, and time spent in hospital.

*History of disease*—21 childhood diseases, lasting effects, bedwetting, vision or hearing problems, speech problems, limping, complete use of arms and legs, restrictions on exercise or play, braces on teeth, over- and underweight, rate of physical growth, rate of mental development, overnight visits to friends, nursery school and kindergarten attendance, age started first grade, first reaction to school, and relationships with parents and peers.

*Youth's involvement in family decisions*—Decisions affecting youth in regard to clothes, money, friends, and hours. Parent's educational desires and expectations for youth.

*Importance of certain qualities or characteristics*—11 values rated by parent according to importance.

*Seriousness of certain medical symptoms as perceived by parent*—12 symptoms and parent's indication as to whether a doctor's visit is necessary, exaggeration of illnesses, and last visits to doctor and dentist.

*For girls only*—Eight questions regarding menarche and discomfort from periods.

**SCHOOL QUESTIONNAIRE**

Grade placement, skipped or repeated; need for 12 listed special school resources; classroom and interpersonal behavior; and academic and intellectual standing.

**YOUTH'S HEALTH HABITS AND ATTITUDES (YOUTH REPORT)**

Essentially the same as youth's medical and developmental history only the youth himself is the respondent. Weight status, body build and preference, backaches, sleeping arrangements, trouble sleeping, bad dreams, sleepwalking, acne, time spent away from home, school attendance, work, allowance, amount of food eaten, and last visits to doctor and dentist.

*Leisure hours*—Number of hours spent watching television, listening to the radio, reading magazines, or reading books.

*Educational desires*—Youth's educational desires and expectations.

**HEALTH BEHAVIOR (YOUTH REPORT)**

*Educational and social behavior*—Educational desires and expectations, dating, and age at first date.

*Youth's involvement in family decisions*—Decisions affecting youth in regard to clothes, money, friends, and hours.

*Behavior*—Running away from home, police contact, arrests, punishments, smoking habits, time goes to bed, and nervousness.

*Importance of certain qualities or characteristics*—The same 11 values rated by the parent according to their importance are rated by the youth.

*Seriousness of certain medical symptoms as perceived by youth*—The same 12 symptoms rated by the parent as to the necessity of a doctor's visit are rated by the youth.

*Seriousness of certain dental symptoms*—The youth is asked if any of seven dental symptoms would require a trip to the dentist.

Table 26. *Summary of Cycle III extended data tape*—Con.**PSYCHOLOGICAL EXAMINATION**

Four tests were given (WISC—Vocabulary and Block Design, WRAT—Reading and Arithmetic, Goodenough-Harris Draw-A-Person, and Brief Test of Literacy) with test qualifications noted; handedness and foreign language noted; and several different forms of raw and standardized scores provided. Indexes of sociointellectual status and differential intellectual development also are given.

**DIAGNOSTIC IMPRESSIONS**

Normal-abnormal youth, cardiovascular system, neurological conditions, musculoskeletal system, other systems, hand preference, abnormal neurological findings, other systems, and nutritional appraisal.

**BODY MEASUREMENTS**

Thirty-five body and skinfold measurements are given, along with those for temperature, height, weight, grip strength, and handedness.

**DENTAL EXAMINATION**

Number of primary and permanent teeth decayed, missing, filled, and present; gingivitis and periodontal pockets; periodontal, debris, calculus, oral hygiene, and orthodontic treatment priority indexes; malocclusion syndrome; buccal segment relations; posterior crossbites; incisor vertical relationship; malaligned teeth, mandibular protrusion; overjet; overbite; openbite; and orthodontic appliances.

**VISION**

Color vision, near and distance acuity (each eye, corrected and uncorrected), phoria, and approximate values for power and spherical equivalence of lenses.

**EAR, NOSE, AND THROAT EXAMINATION**

External ear, auditory canal, drum, tonsils, pharynx, and nares.

**AUDIOLOGY**

Hearing thresholds in decibel levels at nine frequencies for each ear, and test conditions noted.

**PHYSICIAN'S EXAM**

*Eyes*—Lids, conjunctivae and sclerae, pupils and irides, tropia, extraocular muscles, and conjugate gaze (both eyes).

*Breast examination (males)*—Findings from both breasts, gynecomastia.

*Breast examination (females)*—Both breasts, maturation stages; and other findings.

*Heart*—Point of maximal impulse interspace, midclavicular line, thrills, heart sounds, murmurs, and other cardiovascular findings.

*Abdominal examination*—Herniorrhaphy and other findings.

*Genitalia examination*—Pubic hair maturation, genitalia maturation (males), circumcision (males), and other genital findings.

*Skin*—Facial acne grade.

**BLOOD PRESSURE**

Three blood pressure readings.

**NURSE'S QUESTIONNAIRE**

*For girls only*—18 questions regarding menarche, frequency of periods, and discomfort from periods.

**BONE AGE**

Bone age assessments made from X-rays on 32 bones in the hand and wrist; average bone age, and individual differences or anomalies in bones.

**BLOOD TESTING**

Readings for uric acid, cholesterol, hematocrit, and protein-bound iodine levels; determination of blood type, red blood cell antigens, and plasma proteins; and syphilis screening.

Record length .....	1,300
Block size .....	9,100
Number of records .....	6,768
Number of reels .....	1

# DATA PURCHASE AND USE AGREEMENT

Individual identifiers have been removed from the micro-data tapes available from the National Center for Health Statistics. Nevertheless, under section 308(d) of the Public Health Service Act (42 U.S.C. 242m), data collected by the National Center for Health Statistics may not be used for any purpose other than the purpose for which it was supplied. The information on the micro-data tapes available for purchase was supplied to NCHS for statistical research and reporting purposes. It is necessary therefore that the individual ordering such micro-data tapes sign the following assurance:

The undersigned gives assurance that individual elementary unit data on the micro-data tapes being ordered will be used solely for statistical research or reporting purposes.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

Title: \_\_\_\_\_ Organization: \_\_\_\_\_

Data Tapes Ordered: \_\_\_\_\_

Accession Numbers (Needed only when ordering from NTIS): \_\_\_\_\_

Proposed Use: \_\_\_\_\_

This page may be used for ordering data sets. Simply detach from publication, indicate those data sets you want, put your name and address below, enclose payment and send as required to:

National Technical Information Service  
5285 Port Royal Road  
Springfield, Virginia 22151

or

Scientific and Technical Information Branch  
National Center for Health Statistics  
Center Building, Rm. 1-57  
3700 East West Highway  
Hyattsville, Maryland 20782  
Attn: K. Herald

All prices shown are for tapes of 1,600 bpi density.  
Send indicated data sets to:

\_\_\_\_\_  
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\_\_\_\_\_  
\_\_\_\_\_

## ORDER FORM

No.	Data sets available from NCHS in 1978	Cost of data set	No.	Data sets available from NCHS in 1978	Cost of data set
1	Master Facility Inventory Data, hospitals 1971-75 (specify year).....	\$125		Data year	Accession number
				1972	PB 270768/AS
2	Master Facility Inventory Data, nursing homes and other health facilities, 1971 and 1973 (specify year).....	125		1973	PB 270770/AS
3	Hospital Discharge Survey Data, 1970- 75* .....	125	4	1974	PB 270772/AS
				1975	PB 270774/AS
	Data year	Accession number		National Ambulatory Medical Care Sur- vey Data, 1973-74 and 1975 (specify year).....	\$125
	1970	PB 270764/AS	5	National Nursing Home Survey Data	
	1971	PB 270766/AS		1969 .....	185
				1973-74.....	305

\*Available only from the National Technical Information Service.

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No.	Data sets available from NCHS in 1978	Cost of data set	No.	Data sets available from NCHS in 1978	Cost of data set
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